L Number	Hits	Search Text	DB	Time stamp
-	898055	ADSL central office	USPAT	2003/12/30 15:53
-	831277	ADSL remote terminal	USPAT	2003/12/30 15:53
-	1458742	estimat\$3 near1 transmission channel characteristic\$1	USPAT	2003/12/30 15:55
-	1234320	gather\$3 channel information near2 ADSL remote terminal	USPAT	2003/12/30 15:56
-	1072872	exchang\$3 near1 channel information near2 ADSL remote terminal with ADSL central office	USPAT	2003/12/30 15:57
-	1281855	determin\$\frac{1}{2}\$ near (ADSL remote terminal) ADSL central office with channel impairment near5 channel information	USPAT	2003/12/30 15:59
-	286215	(ADSL central office) and (ADSL remote terminal)	USPAT	2003/12/30 15:59
-	845182	(estimat\$3 near1 transmission channel characteristic\$1) and	USPAT	2003/12/30 16:00
-	386691	(gather\$3 channel information near2 ADSL remote terminal) ((estimat\$3 near1 transmission channel characteristic\$1) and (gather\$3 channel information near2 ADSL remote terminal)) and (exchang\$3 near1 channel information near2 ADSL remote	USPAT	2003/12/30 16:01
-	326435	terminal with ADSL central office) (((estimat\$3 near1 transmission channel characteristic\$1) and (gather\$3 channel information near2 ADSL remote terminal)) and (exchang\$3 near1 channel information near2 ADSL remote terminal with ADSL central office)) and (determin\$3 near (ADSL remote terminal) ADSL central office with channel impairment near5 channel information)	USPAT	2003/12/30 16:02
-	162577	((((estimat\$3 near1 transmission channel characteristic\$1) and (gather\$3 channel information near2 ADSL remote terminal)) and (exchang\$3 near1 channel information near2 ADSL remote terminal with ADSL central office)) and (determin\$3 near (ADSL remote terminal) ADSL central office with channel impairment near5 channel information)) and ((ADSL central office) and (ADSL remote terminal))	USPAT	2003/12/30 16:02
_	3937	714/712.ccls. or 375/222.ccls. or 375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or 370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.	USPAT	2004/01/02 16:50
-	1001	(((((estimat\$3 near1 transmission channel characteristic\$1) and (gather\$3 channel information near2 ADSL remote terminal)) and (exchang\$3 near1 channel information near2 ADSL remote terminal with ADSL central office)) and (determin\$3 near (ADSL remote terminal) ADSL central office with channel impairment near5 channel information)) and ((ADSL central office) and (ADSL remote terminal))) and (714/712.ccls. or 375/222.ccls. or 375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or 370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)	USPAT	2003/12/30 16:05
-	2038905	channel information near1 attenuation characteristic per carrier	USPAT	2003/12/30 16:06
-	2324711	channel information near1 phase rotation characteristic per carrier	USPAT	2003/12/30 16:06
.	2038992	channel information near1 noise characteristic per carrier	USPAT	2003/12/30 16:06
-	2039363	channel information near2 "signal to noise ratio" or (SNR)	USPAT	2003/12/30 16:08
_	1305244	characteristic per carrier	LICDAT	2002/12/25 : 5 ==
	1305344	channel impairment\$1 near2 bridged tap location\$1	USPAT	2003/12/30 16:08
-	1701664	channel impairment\$1 near2 bridged tap length\$1	USPAT	2003/12/30 16:09
-	1258435	channel impairment\$1 near1 disturber location\$1	USPAT	2003/12/30 16:09
-	1112098	channel impairment\$1 near2 radio frequency interference	USPAT	2003/12/30 16:10
-	621748	channel impairment\$1 near2 line attenuation	USPAT	2003/12/30 16:10
-	1001	((((((estimat\$3 near1 transmission channel characteristic\$1) and (gather\$3 channel information near2 ADSL remote terminal)) and (exchang\$3 near1 channel information near2 ADSL remote terminal with ADSL central office)) and (determin\$3 near (ADSL remote terminal) ADSL central office with channel impairment near5 channel information)) and ((ADSL central office) and (ADSL remote terminal))) and (714/712.ccls. or 375/222.ccls. or	USPAT	2003/12/30 16:10
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or 370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel information near1 attenuation characteristic per carrier)		

	T:	1,000		
-	1001	(((((((estimat\$3 near1 transmission channel characteristic\$1) and	USPAT	2003/12/30 16:11
		(gather\$3 channel information near2 ADSL remote terminal)) and		
		(exchang\$3 near1 channel information near2 ADSL remote		
		terminal with ADSL central office)) and (determin\$3 near (ADSL	ļ	
		remote terminal) ADSL central office with channel impairment	1	
		near5 channel information)) and ((ADSL central office) and (ADSL	İ	
		remote terminal))) and (714/712.ccls. or 375/222.ccls. or		
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or		
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel		
		information near1 attenuation characteristic per carrier)) and		
		(channel information near1 phase rotation characteristic per		
	1001	carrier)		
-	1001	((((((((estimat\$3 near1 transmission channel characteristic\$1) and	USPAT	2003/12/30 16:11
		(gather\$3 channel information near2 ADSL remote terminal)) and		
		(exchang\$3 near1 channel information near2 ADSL remote		
		terminal with ADSL central office)) and (determin\$3 near (ADSL		
		remote terminal) ADSL central office with channel impairment		
		near5 channel information)) and ((ADSL central office) and (ADSL		
		remote terminal))) and (714/712.ccls. or 375/222.ccls. or 375/277 ccls.		
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or 370/332.ccls. or 370/33		
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel information near1 attenuation characteristic per carrier)) and		
		(channel information near1 phase rotation characteristic per		
		carrier)) and (channel information near1 noise characteristic per		
		carrier)		
_	1001	((((((((estimat\$3 near1 transmission channel characteristic\$1)	USPAT	2003/12/30 16:11
	1001	and (gather\$3 channel information near2 ADSL remote terminal))	USPAT	2003/12/30 16:11
		and (exchang\$3 near1 channel information near2 ADSL remote		
		terminal with ADSL central office)) and (determin\$3 near (ADSL		
		remote terminal) ADSL central office with channel impairment	ļ	
		near5 channel information)) and ((ADSL central office) and (ADSL		
		remote terminal))) and (714/712.ccls. or 375/222.ccls. or		
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or		
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel		
		information near1 attenuation characteristic per carrier)) and		
		(channel information near1 phase rotation characteristic per		
		carrier)) and (channel information near1 noise characteristic per		
		carrier)) and (channel information near2 "signal to noise ratio" or		
		(SNR) characteristic per carrier)		
-	941	(((((((((estimat\$3 near1 transmission channel characteristic\$1)	USPAT	2003/12/30 16:11
		and (gather\$3 channel information near2 ADSL remote terminal))		
		and (exchang\$3 near1 channel information near2 ADSL remote		
		terminal with ADSL central office)) and (determin\$3 near (ADSL		
		remote terminal) ADSL central office with channel impairment		
		near5 channel information)) and ((ADSL central office) and (ADSL		
	1	remote terminal))) and (714/712.ccls. or 375/222.ccls. or		
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or		
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel		
		information near1 attenuation characteristic per carrier)) and		
]	(channel information near1 phase rotation characteristic per		
		carrier)) and (channel information near1 noise characteristic per		
		carrier)) and (channel information near2 "signal to noise ratio" or		
		(SNR) characteristic per carrier)) and (channel impairment\$1		
		near2 bridged tap location\$1)		

	918	((((((((((((((((((((((((((((((((((((((USPAT	2003/12/30 16:11
_	910	and (gather\$3 channel information near2 ADSL remote terminal))	USPAI	2003/12/30 16:11
	•	and (gathers) channel information near2 ADSL remote terminary) and (exchang\$3 near1 channel information near2 ADSL remote		
		terminal with ADSL central office)) and (determin\$3 near (ADSL		
		remote terminal) ADSL central office with channel impairment		
		near5 channel information)) and ((ADSL central office) and (ADSL		
		remote terminal))) and (714/712.ccls. or 375/222.ccls. or		
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or		
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel		
		information near1 attenuation characteristic per carrier)) and		
		(channel information near1 phase rotation characteristic per		
		carrier)) and (channel information near1 noise characteristic per		
	1	carrier)) and (channel information near2 "signal to noise ratio" or		
	:	(SNR) characteristic per carrier)) and (channel impairment\$1		
		near2 bridged tap location\$1)) and (channel impairment\$1 near2		
		bridged tap length\$1)		
_	906	((((((((((((((((((((((((((((((((((((((USPAT	2003/12/30 16:11
	500	and (gather\$3 channel information near2 ADSL remote terminal))	USFAI	2003/12/30 10.11
		and (exchang\$3 near1 channel information near2 ADSL remote		
		terminal with ADSL central office)) and (determin\$3 near (ADSL		
		remote terminal) ADSL central office with channel impairment		
		near5 channel information)) and ((ADSL central office) and (ADSL		
		remote terminal))) and (714/712.ccls. or 375/222.ccls. or		1
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or		
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel		
		information near1 attenuation characteristic per carrier)) and		
		(channel information near1 phase rotation characteristic per		
	1	carrier)) and (channel information near1 noise characteristic per		
		carrier)) and (channel information near2 "signal to noise ratio" or		
		(SNR) characteristic per carrier)) and (channel impairment\$1		
		near2 bridged tap location\$1)) and (channel impairment\$1 near2		
		bridged tap length\$1)) and (channel impairment\$1 near1 disturber		
		location\$1)		
	000		LICDAT	2002/42/20 46 44
_	902	((((((((((((((((((((((((((((((((((((((USPAT	2003/12/30 16:11
		and (gather\$3 channel information near2 ADSL remote terminal))		
		and (exchang\$3 near1 channel information near2 ADSL remote		
		terminal with ADSL central office)) and (determin\$3 near (ADSL		
		remote terminal) ADSL central office with channel impairment		
		near5 channel information)) and ((ADSL central office) and (ADSL		
		remote terminal))) and (714/712.ccls. or 375/222.ccls. or		
	Ì	375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or		
	1	370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel		
		information near1 attenuation characteristic per carrier)) and		
		(channel information near1 phase rotation characteristic per		
		carrier)) and (channel information near1 noise characteristic per		
		carrier)) and (channel information near2 "signal to noise ratio" or		
		(SNR) characteristic per carrier)) and (channel impairment\$1		
		near2 bridged tap location\$1)) and (channel impairment\$1 near2		
		bridged tap length\$1)) and (channel impairment\$1 near1 disturber		
	1			
		location\$1)) and (channel impairment\$1 near2 radio frequency		
***	L	interference)	l	l

-	886	((((((((((((((((((((((((((((((((((((((USPAT	2003/12/30 16:12
		remote terminal)) and (exchang\$3 near1 channel information		
		near2 ADSL remote terminal with ADSL central office)) and		
		(determin\$3 near (ADSL remote terminal) ADSL central office with		
		channel impairment near5 channel information)) and ((ADSL		
		central office) and (ADSL remote terminal))) and (714/712.ccls. or		
		375/222.ccls. or 375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or 370/232.ccls. or 370/252.ccls. or		
		379/910.1.ccls.)) and (channel information near1 attenuation		
		characteristic per carrier)) and (channel information near1 phase		
		rotation characteristic per carrier)) and (channel information near1		
		noise characteristic per carrier)) and (channel information near2		
		"signal to noise ratio" or (SNR) characteristic per carrier)) and		
	,	(channel impairment\$1 near2 bridged tap location\$1)) and (channel impairment\$1 near2 bridged tap length\$1)) and (channel		
		impairment\$1 near1 disturber location\$1)) and (channel		
		impairment\$1 near2 radio frequency interference)) and (channel		
		impairment\$1 near2 line attenuation)		
-	22844	estimating with channel impairment\$1	USPAT	2003/12/30 16:13
-	148	((((((((((((((((((((((((((((((((((((((USPAT	2003/12/30 16:21
		characteristic\$1) and (gather\$3 channel information near2 ADSL remote terminal)) and (exchang\$3 near1 channel information		
		near2 ADSL remote terminal with ADSL central office)) and		
		(determin\$3 near (ADSL remote terminal) ADSL central office with		
		channel impairment near5 channel information)) and ((ADSL		
		central office) and (ADSL remote terminal))) and (714/712.ccls. or		
	ļ	375/222.ccls. or 375/377.ccls. or 375/220.ccls. or 375/224.ccls. or		
		375/227.ccls. or 370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.)) and (channel information near1 attenuation		
	İ	characteristic per carrier)) and (channel information near1 phase		
		rotation characteristic per carrier)) and (channel information near1		
		noise characteristic per carrier)) and (channel information near2		
		"signal to noise ratio" or (SNR) characteristic per carrier)) and		
		(channel impairment\$1 near2 bridged tap location\$1)) and		
		(channel impairment\$1 near2 bridged tap length\$1)) and (channel impairment\$1 near1 disturber location\$1)) and (channel		
		impairment\$1 near2 radio frequency interference)) and (channel		
		impairment\$1 near2 line attenuation)) and (estimating with		
		channel impairment\$1)		
-	177	"4105995"	USPAT	2003/12/30 16:23
	177 416306	379/1.01.ccls. match\$3	USPAT	2003/12/30 16:23
_	70300	match\$3 and (((((((((((((((((((((((((((((((((((USPAT USPAT	2003/12/30 16:25 2003/12/30 16:26
	'	characteristic\$1) and (gather\$3 channel information near2 ADSL	OSPAT	2003/12/30 16.26
		remote terminal)) and (exchang\$3 near1 channel information		
		near2 ADSL remote terminal with ADSL central office)) and		
		(determin\$3 near (ADSL remote terminal) ADSL central office with		
		channel impairment near5 channel information)) and ((ADSL central office) and (ADSL remote terminal))) and (714/712.cds. or		
		375/222.ccls. or 375/377.ccls. or 375/220.ccls. or 375/224.ccls. or		
		375/227.ccls. or 370/232.ccls. or 370/252.ccls. or		
		379/910.1.ccls.)) and (channel information near1 attenuation		
		characteristic per carrier)) and (channel information near1 phase		
		rotation characteristic per carrier)) and (channel information near1		
		noise characteristic per carrier)) and (channel information near2 "signal to noise ratio" or (SNR) characteristic per carrier)) and		
		(channel impairment\$1 near2 bridged tap location\$1)) and		
		(channel impairment\$1 near2 bridged tap length\$1)) and (channel		
		impairment\$1 near1 disturber location\$1)) and (channel		
		impairment\$1 near2 radio frequency interference)) and (channel		
		impairment\$1 near2 line attenuation)) and (estimating with channel impairment\$1))		
_	1	("5541955").PN.	USPAT	2004/01/02 16:07
Soarch Histo		10:12:10 AM Poce 4	001 A1	2007/01/02 10:0/

-	9	"6606719"	USPAT	2004/01/02 16:42
-	522589	transmit\$4 and (information or channel characteristic\$1)	USPAT	2004/01/02 16:47
-	64303	determin\$3 with channel impairment\$1	USPAT	2004/01/02 16:48
_	21750	detect\$3 with chanel impairment\$1	USPAT	2004/01/02 16:48
_	664347	match\$3 with channel information	USPAT	2004/01/02 16:48
_	666974	compar\$3 with channel information	USPAT	2004/01/02 16:49
-				
-	699289	(determin\$3 with channel impairment\$1) or (detect\$3 with channel	USPAT	2004/01/02 16:50
		impairment\$1) or (match\$3 with channel information) or		
		(compar\$3 with channel information)		
-	320117	(transmit\$4 and (information or channel characteristic\$1)) and	USPAT	2004/01/02 16:50
		((determin\$3 with channel impairment\$1) or (detect\$3 with	1	
		chanel impairment\$1) or (match\$3 with channel information) or		
		(compar\$3 with channel information))		
_	4138	714/712.ccls. or 375/222.ccls. or 375/377.ccls. or 375/220.ccls. or	USPAT	2004/01/02 16:50
		375/224.ccls. or 375/227.ccls. or 370/232.ccls. or 370/252.ccls. or		
		379/910.1.ccls. or 714/799.ccls.		
	3173	((transmit\$4 and (information or channel characteristic\$1)) and	USPAT	2004/01/02 16-51
-	31/3		USPAT	2004/01/02 16:51
		((determin\$3 with channel impairment\$1) or (detect\$3 with		
		chanel impairment\$1) or (match\$3 with channel information) or		
		(compar\$3 with channel information))) and (714/712.ccls. or		
•		375/222.ccls. or 375/377.ccls. or 375/220.ccls. or 375/224.ccls. or		
		375/227.ccls. or 370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.		
		or 714/799.ccls.)		
-	898055	ADSL central office	USPAT	2004/01/02 16:51
_	831277	ADSL remote terminal	USPAT	2004/01/02 16:51
_	286215	(ADSL central office) and (ADSL remote terminal)	USPAT	2004/01/02 16:51
	1080			
-	1000	(((transmit\$4 and (information or channel characteristic\$1)) and	USPAT	2004/01/02 16:51
		((determin\$3 with channel impairment\$1) or (detect\$3 with		
		chanel impairment\$1) or (match\$3 with channel information) or		
		(compar\$3 with channel information))) and (714/712.ccls. or		
		375/222.ccls. or 375/377.ccls. or 375/220.ccls. or 375/224.ccls. or		
		375/227.ccls. or 370/232.ccls. or 370/252.ccls. or 379/910.1.ccls.		
		or 714/799.ccls.)) and ((ADSL central office) and (ADSL remote		
		terminal))		
-	431827	error\$1 or fault\$1	USPAT	2004/01/02 16:52
1 -	798	(error\$1 or fault\$1) and ((((transmit\$4 and (information or	USPAT	2004/01/02 16:52
Ì	790	channel characteristic\$1)) and (((determin\$3 with channel	USPAT	2004/01/02 10:52
		impairment\$1) or (detect\$3 with chanel impairment\$1) or		
		(match\$3 with channel information) or (compar\$3 with channel		
		information))) and (714/712.ccls. or 375/222.ccls. or		
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or		
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls. or 714/799.ccls.		
)) and ((ADSL central office) and (ADSL remote terminal)))		
-	778555	radio frequency interference	USPAT	2004/01/02 16:52
-	635	((error\$1 or fault\$1) and ((((transmit\$4 and (information or	USPAT	2004/01/02 16:52
		channel characteristic\$1)) and ((determin\$3 with channel	33.7.1	200 17 02 10:32
		impairment\$1) or (detect\$3 with chanel impairment\$1) or		
		(match\$3 with channel information) or (compar\$3 with channel		
		information))) and (714/712.ccls. or 375/222.ccls. or		
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or	1	
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls. or 714/799.ccls.		
)) and ((ADSL central office) and (ADSL remote terminal)))) and		
		(radio frequency interference)		
-	1989648	line attenuation	USPAT	2004/01/02 16:53
- '	590	(((error\$1 or fault\$1) and ((((transmit\$4 and (information or	USPAT	2004/01/02 16:53
		channel characteristic\$1)) and ((determin\$3 with channel	33.711	
		impairment\$1) or (detect\$3 with chanel impairment\$1) or		
		(match\$3 with channel information) or (compar\$3 with channel		
		information))) and (714/712.ccls. or 375/222.ccls. or		
		375/377.ccls. or 375/220.ccls. or 375/224.ccls. or 375/227.ccls. or		
		370/232.ccls. or 370/252.ccls. or 379/910.1.ccls. or 714/799.ccls.		
)) and ((ADSL central office) and (ADSL remote terminal)))) and		
		(radio frequency interference)) and (line attenuation)		
<u> </u>	922378		USPAT	2004/01/02 16:53
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2004/01/02 16:53 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:55 2004/01/02 16:54 2004/01/02 16:55 2004/01/02 16:54 2004/01/02 16:55 2004/01/02 16:54 2004/01/02 16:55 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:54 2004/01/02 16:55 2004/01/02 16:54 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02 16:55 2004/01/02					
impairment\$1) or (detect\$3 with chanel impairment\$1) or (match\$3 with chanel information) or (compar\$3 with channel information)) and (714/712.cds. or 375/2272.cds. or 370/232.cds. or 370/23	-	380		USPAT	2004/01/02 16:53
(match\$ with channel information) or (compar\$ with channel information)) and (r(I/47)12.cds. or 375/222.cds. or 375/227.cds. or 375/377.cds. or 375/220.cds. or 375/227.cds. or 375/223.cds. o					
information)) and (714/712.cds. or 375/222.cds. or 375/227.cds. or 376/237.cds. or 376/232.cds. or 370/232.cds. or 376/227.cds. or 376/227.cds. or 376/227.cds. or 376/227.cds. or 376/227.cds. or 370/232.cds. or 376/227.cds.					
375/377.cds, or 375/220.cds, or 375/227.cds, o					
370/232.cds, or 370/252.cds. or 379/910.1.cds, or 714/799.cds.)) and ((ADSL centrot force) and (ADSL remote terminaly)) and (radio frequency interference)) and (line attenuation)) and (disturber locations!) bridged tap length\$1 1474630 278 ((((error\$1 or faul\$1) and ((((transmit\$4 and (information or channel characteristic\$1)) and (((etermin\$3 with channel information)) and (714/712.cds. or 375/227.cds. or 375/377.cds. or 375/227.cds. or 375/377.cds. or 375/222.cds. or 379/910.1.cds. or 374/799.cds.)) and ((ADSL central office) and (ADSL remote terminal))) and (radio frequency interference)) and (line attenuation)) and (radio frequency interference)) and (intermination)) and (radio frequency interference)) and (line attenuation)) and (radio frequency interference)) and (line attenuation)) and (radio frequency interference)) and (line attenuation)) and (radio frequency interference) and (line attenuation) and (radio freque					
1474630 1474					
(radio frequency interference)) and (line attenuation)) and (disturber locations(1)) bridged tap lengths(1) bridged tap lengths(1) and (((((((((((((((((((((((((((((((((((
disturber locations1)					
1474630 bridged tap length\$1 ((((transmit\$4 and (information or channel characteristic\$1)) and (((determin\$3 with channel impairment\$1) or (detect\$3 with channel impairment\$1) or ((match\$3 with channel information)) or (compar\$3 with channel information)) and (714/712.cds. or 375/222.cds. or 375/227.cds. or 375/220.cds. or 375					
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(match\$3 with channel information) or (compar\$3 with channel information))) and (714/712.cds. or 375/222.cds. or 375/377.cds. or 375/220.cds. or 375/224.cds. or 375/227.cds. or 370/232.cds. or 370/252.cds. or 379/910.1.cds. or 714/799.cds.)) and ((ADSL central office) and (ADSL remote terminal)))) and (radio frequency interference)) and (line attenuation)) and (disturber location\$1)) and (bridged tap length\$1)) and ("signal to noise ratio" or (SNR))) and (noise characteristic\$1)) and (attenuation characteristic\$1)					
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(attenuation characteristic\$1)			noise ratio" or (SNR))) and (noise characteristic\$1)) and		
- 26993 estimat\$3 with channel impairment\$1 USPAT 2004/01/02 16:56			(attenuation characteristic\$1)		
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-	38	((((((((((((((((((((((((((((((((((((((USPAT	2004/01/02 16:56
		channel characteristic\$1)) and ((determin\$3 with channel		
		impairment\$1) or (detect\$3 with chanel impairment\$1) or	Ī	
		(match\$3 with channel information) or (compar\$3 with channel	ł	
		information))) and (714/712.ccls. or 375/222.ccls. or		
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)) and ((ADSL central office) and (ADSL remote terminal)))) and		
		(radio frequency interference)) and (line attenuation)) and		
	İ			
		(disturber location\$1)) and (bridged tap length\$1)) and ("signal to		
		noise ratio" or (SNR))) and (noise characteristic\$1)) and		
		(attenuation characteristic\$1)) and (estimat\$3 with channel		
		impairment\$1)		
-	205380	match\$3 and (received information with simulation model)	USPAT	2004/01/05 14:03
-	2144613	telephone line CHANNEL	USPAT	2004/01/05 14:04
_	830874	remote terminal	USPAT	2004/01/05 14:04
_	1989648	line attenuation	USPAT	2004/01/05 14:04
_	1971810	length near2 telephone line		
_			USPAT	2004/01/05 14:05
-	287130	location near1 bridged tap\$1	USPAT	2004/01/05 14:05
-	5543	parameter\$1 near2 (line attenuation)	USPAT	2004/01/05 14:06
-	1017806	water logging	USPAT	2004/01/05 14:08
-	638628	(telephone line CHANNEL) and (remote terminal)	USPAT	2004/01/05 14:08
-	638628	(remote terminal) and ((telephone line CHANNEL) and (remote	USPAT	2004/01/05 14:14
		terminal))	031711	200 1/01/03 11.11
_	591450	(line attenuation) and ((remote terminal) and ((telephone line	USPAT	2004/01/05 14:15
_	391430		USPAT	2004/01/05 14:16
	2242	CHANNEL) and (remote terminal)))		
-	2312	((line attenuation) and ((remote terminal) and ((telephone line	USPAT	2004/01/05 14:17
		CHANNEL) and (remote terminal)))) and (length near2 telephone		
		line)		
-	338	(((line attenuation) and ((remote terminal) and ((telephone line	USPAT	2004/01/05 14:31
		CHANNEL) and (remote terminal)))) and (length near2 telephone	•••••	200 1, 02, 03 2 1.32
		line)) and (location near1 bridged tap\$1)		
_	0		LICDAT	2004/04/05 44 40
_	"	((((((line attenuation) and ((remote terminal) and ((telephone line	USPAT	2004/01/05 14:18
		CHANNEL) and (remote terminal)))) and (length near2 telephone		
		line)) and (location near1 bridged tap\$1)) and (parameter\$1 near2		
		(line attenuation))) and (water logging)		
-	1	((((line attenuation) and ((remote terminal) and ((telephone line	USPAT	2004/01/05 14:31
		CHANNEL) and (remote terminal)))) and (length near2 telephone		
		line)) and (location near1 bridged tap\$1)) and (parameter\$1 near2		
		(line attenuation))		
_	4572		LICDAT	2004/04/05 44 24
_	73/2		USPAT	2004/01/05 14:34
		375/220.ccls. or 375/224.ccls. or 375/227.ccls. or 370/232.ccls. or		
		370/252.ccls. or 379/910.1.ccls. or 379/1.01.ccls. or		
	ļ	379/93.01.ccls.		
-	1	(714/712.ccls. or 714/799.ccls. 375/222.ccls. or 375/377.ccls. or	USPAT	2004/01/05 16:06
		375/220.ccls. or 375/224.ccls. or 375/227.ccls. or 370/232.ccls. or		
		370/252.ccls. or 379/910.1.ccls. or 379/1.01.ccls. or		
		379/93.01.ccls.) and ((((line attenuation) and ((remote terminal)		
		and ((telephone line CHANNEL) and (remote terminal)))) and (
		length near2 telephone line)) and (location near1 bridged tap\$1))		
-	12	"4870638"	USPAT	2004/01/05 15:52
-	751726	error recovery with MPEG video stream\$1	USPAT	2004/01/08 10:16
-	818241	identify\$3 near1 transmission data rate near9 MPEG data	USPAT	2004/01/08 10:18
-	797794	identify\$3 near5 MPEG data near4 system bus near2 storage	USPAT	2004/01/08 10:21
		media	331 AT	200 1/01/00 10.21
_	1115595		LICDAT	2004/04/00 40:20
	1113333	select\$3 near1 storage location near5 available storage location\$1	USPAT	2004/01/08 10:30
		near2 storage media		
-	797905	selectively implementing near3 error recovery algorithm near11	USPAT	2004/01/08 10:34
		MPEG data near1 maximize near1transmission bandwidth		
	1126443	stor\$3 near8 MPEG data near2 selected storage location near2	USPAT	2004/01/08 10:35
-				,,, , , ,
-		storage media		
.	149764	storage media (error recovery with MPEG video stream\$1) with (identify\$3 near1	USPAT	2004/01/08 10:42

Cerror recovery with MPEG video stream\$1) with (identify\$3 near1 transmission data rate near9 MPEG data) with (identify\$3 near5 MPEG data near4 system bus near2 storage media) USPAT USPAT Conditions USPAT USPAT Conditions USPAT USPAT Conditions USPAT USPAT Conditions USPAT	,				
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- 122665 (identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data)) - 1760967 inter-frame predicted frame or P-frame 1760967 (identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISP-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; DERWENT;		1	uata with maximize transmission dandwidth with MPEG data)	,	
- 122665 (identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data)) - 1760967 inter-frame predicted frame or P-frame 1760967 (identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG (identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG data)) and (inter-frame predicted frame or P-frame) IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; DS-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; DERWENT;		1			
122665 (identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG data)) 1760967 inter-frame predicted frame or P-frame 1760967 (identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG MPEG data with maximize transmission bandwidth with MPEG data))) and (inter-frame predicted frame or P-frame) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; DERWENT;					
and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT		122665	(identify de and (MADEC deta with the state of the second		2004/64/20 := :=
MPEG data with maximize transmission bandwidth with MPEG data)) 1760967 inter-frame predicted frame or P-frame 1760967 inter	-	122005			2004/01/08 17:40
data)) 1760967 inter-frame predicted frame or P-frame 1760967 inter-frame predicted frame or P-frame 1760967 inter-frame predicted frame or P-frame 1760967 inter-frame predicted frame or P-frame 1760967 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB 1760967 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB 1760967 US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT;		1			
- 1760967 inter-frame predicted frame or P-frame IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; ((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG (DERWENT; DERWENT; DERWENT; DERWENT;					
- 1760967 inter-frame predicted frame or P-frame USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB ((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG data)) and (inter-frame predicted frame or P-frame) USPAT; US-PGPUB; USPAT; US-PGPUB; EPO; JPO; DERWENT;			aata))		
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; US-PGPUB; DERWENT; US-PGPUB; DERWENT; DERWENT;					
55792 ((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG data))) and (inter-frame predicted frame or P-frame) EPO; JPO; US-PGPUB; EPO; JPO; DERWENT;	-	1760967	inter-frame predicted frame or P-frame		2004/01/08 17:40
- 55792 ((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG data))) and (inter-frame predicted frame or P-frame) DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;		1			
- 55792 ((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG (data))) and (inter-frame predicted frame or P-frame) IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;				EPO; JPO;	
- 55792 ((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG (data))) and (inter-frame predicted frame or P-frame) IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;					
55792 ((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG data))) and (inter-frame predicted frame or P-frame) USPAT; US-PGPUB; EPO; JPO; DERWENT;					
and (selectively implement\$3 and (error recovery algorithm with US-PGPUB; MPEG data with maximize transmission bandwidth with MPEG (bata)) and (inter-frame predicted frame or P-frame) DERWENT;	-	55792	· · · · · · · · · · · · · · · · · · ·		2004/01/08 17:41
MPEG data with maximize transmission bandwidth with MPEG EPO; JPO; data))) and (inter-frame predicted frame or P-frame) DERWENT;					
data))) and (inter-frame predicted frame or P-frame) DERWENT;					
			data))) and (inter-frame predicted frame or P-frame)		

	T			
-	1683655	bi-directioinal predicted/interpolated frame or B-frame	USPAT; US-PGPUB;	2004/01/08 17:41
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	48801	(((identify\$3 and (MPEG data with sytem bus with storage media))	USPAT;	2004/01/08 17:41
		and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth with MPEG	US-PGPUB; EPO; JPO;	
		data))) and (inter-frame predicted frame or P-frame)) and	DERWENT;	
_	2397	(bi-directioinal predicted/interpolated frame or B-frame) intra-frame	IBM_TDB USPAT;	2004/01/09 17:42
	2557	initia-mame	US-PGPUB;	2004/01/08 17:42
			EPO; JPO;	
			DERWENT; IBM_TDB	
-	516	, ,	USPAT;	2004/01/08 17:42
		media)) and (selectively implement\$3 and (error recovery	US-PGPUB;	
		algorithm with MPEG data with maximize transmission bandwidth with MPEG data))) and (inter-frame predicted frame or P-frame))	EPO; JPO; DERWENT;	
		and (bi-directioinal predicted/interpolated frame or B-frame)) and	IBM_TDB	
_	3983455	intra-frame hard disk drive\$1	USPAT;	2004/01/08 17:43
	5555 155		US-PGPUB;	2007/01/00 17.43
			EPO; JPO;	
			DERWENT; IBM_TDB	
_	385	(((((identify\$3 and (MPEG data with sytem bus with storage	USPAT;	2004/01/08 17:43
		media)) and (selectively implement\$3 and (error recovery algorithm with MPEG data with maximize transmission bandwidth	US-PGPUB; EPO; JPO;	
		with MPEG data))) and (inter-frame predicted frame or P-frame))	DERWENT;	
		and (bi-directional predicted/interpolated frame or B-frame)) and	IBM_TDB	
-	1120986	intra-frame) and (hard disk drive\$1) MPEG video stream\$1	USPAT;	2004/01/08 17:44
		·	US-PGPUB;	230 1, 52, 66 27
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	381	(((((((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery	USPAT;	2004/01/08 17:45
		algorithm with MPEG data with maximize transmission bandwidth	US-PGPUB; EPO; JPO;	
		with MPEG data))) and (inter-frame predicted frame or P-frame))	DERWENT;	
		and (bi-directioinal predicted/interpolated frame or B-frame)) and intra-frame) and (hard disk drive\$1)) and (MPEG video stream\$1)	IBM_TDB	
-	4075987	identify\$3 with transmission data rate	USPAT;	2004/01/08 17:46
			US-PGPUB;	
	+		EPO; JPO; DERWENT;	
	300	//////dankifida and /MDCC data a life a table in	IBM_TDB	0004/04/55 := :=
-	380	((((((identify\$3 and (MPEG data with sytem bus with storage media)) and (selectively implement\$3 and (error recovery	USPAT; US-PGPUB;	2004/01/08 17:47
		algorithm with MPEG data with maximize transmission bandwidth	EPO; JPO;	
		with MPEG data))) and (inter-frame predicted frame or P-frame)) and (bi-directioinal predicted/interpolated frame or B-frame)) and	DERWENT; IBM_TDB	
		intra-frame) and (hard disk drive\$1)) and (MPEG video stream\$1	מט ו_ויוטג	
_	2702211)) and (identify\$3 with transmission data rate)	UCD + T	2004/64/50 := :=
_	2783211	slect\$3 with available storage location\$1	USPAT; US-PGPUB;	2004/01/08 17:47
			EPO; JPO;	
			DERWENT; IBM_TDB	
			מטו_ויוטג	L

-	366	((((((((((((((((((((((((((((((((((((((USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/08 17:48
-	2558691	stor\$3 and (MPEG data wit selected storage location\$1 with storage media)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/08 17:49
-	365	((((((((((((((((((((((((((((((((((((((USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/08 17:49
-	1922	714/776.ccls. or 714/746.ccls. or 714/764.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/08 17:51
-	2091	714/774.ccls. or (714/776.ccls. or 714/746.ccls. or 714/764.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/08 17:52
-	298	714/763.ccls.	USPAT	2004/01/08 17:52
-	3086	714/?.ccls.	USPAT	2004/01/08 17:53
-	222	((((((((((((((((((((((((((((((((((((((USPAT	2004/01/08 17:53
		intra-frame) and (hard disk drive\$1)) and (MPEG video stream\$1)) and (identify\$3 with transmission data rate))		

	2000000			
-	3890990	ECC coding unit	USPAT;	2004/01/15 10:18
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1063008	form\$3 and (block\$1 with ECC encoded data with original	USPAT;	2004/01/15 10:25
		information)	US-PGPUB;	
İ			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	590094	(ECC coding unit) and (form\$3 and (block\$1 with ECC encoded	USPAT;	2004/01/15 10:27
	33003.	data with original information))	US-PGPUB;	2001/01/13 10.27
		data wan onginar information,	EPO; JPO;	
			DERWENT;	
	1002772	(magazakawa siakiwa akawa na naliki) with (magazakawa siakiwa	IBM_TDB	2004/04/45 40 20
-	1892772	(magnetoresistive storage cell\$1) with (magnetoresistive	USPAT;	2004/01/15 10:29
		solid-state storage device)	US-PGPUB;	
1			EPO; JPO;	
1			DERWENT;	
i			IBM_TDB	
-	. 279022	((ECC coding unit) and (form\$3 and (block\$1 with ECC encoded	USPAT;	2004/01/15 10:30
		data with original information))) and ((magnetoresistive storage	US-PGPUB;	
		cell\$1) with (magnetoresistive solid-state storage device))	EPO; JPO;	
ļ			DERWENT;	
			IBM_TDB	
-	1097258	controller\$1	USPAT;	2004/01/15 10:30
		33.13.3.14.2	US-PGPUB;	200 1/01/13 10:30
]			EPO; JPO;	
			DERWENT;	
_	1622600	array controlleré 1	IBM_TDB	2004/01/15 10-21
-	1622688	array controller\$1	USPAT;	2004/01/15 10:31
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1023459	obtain\$3 and (parametric value\$1 with storage cell\$1 with stored	USPAT;	2004/01/15 10:38
		ECC encoded data)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	313844	(USPAT;	2004/01/15 10:39
		storage cell\$1 with stored ECC encoded data))	US-PGPUB;	
			EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
-	195466	((array controller\$1) and (obtain\$3 and (parametric value\$1 with	USPAT;	2004/01/15 10:40
		storage cell\$1 with stored ECC encoded data))) and controller\$1	US-PGPUB;	
		The state of the s	EPO; JPO;	
			DERWENT;	
_	70598	((/ECC coding unit) and (form\$2 and (block\$1 with ECC anadad	IBM_TDB	2004/01/45 40:40
	70398	(((ECC coding unit) and (form\$3 and (block\$1 with ECC encoded	USPAT;	2004/01/15 10:48
		data with original information))) and ((magnetoresistive storage	US-PGPUB;	
		cell\$1) with (magnetoresistive solid-state storage device))) and	EPO; JPO;	
		(((array controller\$1) and (obtain\$3 and (parametric value\$1 with	DERWENT;	
	1004001	storage cell\$1 with stored ECC encoded data))) and controller\$1)	IBM_TDB	
-	1984031	form\$3 with erasure information	USPAT;	2004/01/15 10:49
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

		-		
_	69333	((((ECC coding unit) and (form\$3 and (block\$1 with ECC encoded data with original information))) and ((magnetoresistive storage cell\$1) with (magnetoresistive solid-state storage device))) and (((array controller\$1) and (obtain\$3 and (parametric value\$1 with storage cell\$1 with stored ECC encoded data))) and controller\$1)) and (form\$3 with erasure information)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:49
-	3869632	ECC decoding unit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:49
-	283788	decod\$3 and (stored ECC encoded data)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:50
-	214849	(ECC decoding unit) and (decod\$3 and (stored ECC encoded data))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:51
-	27927	(((((ECC coding unit) and (form\$3 and (block\$1 with ECC encoded data with original information))) and ((magnetoresistive storage cell\$1) with (magnetoresistive solid-state storage device))) and (((array controller\$1) and (obtain\$3 and (parametric value\$1 with storage cell\$1 with stored ECC encoded data))) and controller\$1)) and (form\$3 with erasure information)) and ((ECC decoding unit) and (decod\$3 and (stored ECC encoded data)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:53
-	1989645	form\$3 and erasure information	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:54
-	27927	((((((ECC coding unit) and (form\$3 and (block\$1 with ECC encoded data with original information))) and ((magnetoresistive storage cell\$1) with (magnetoresistive solid-state storage device))) and (((array controller\$1) and (obtain\$3 and (parametric value\$1 with storage cell\$1 with stored ECC encoded data))) and controller\$1)) and (form\$3 with erasure information)) and ((ECC decoding unit) and (decod\$3 and (stored ECC encoded data)))) and (form\$3 and erasure information)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:54
-	2514	714/746.ccls. or 714/773.ccls. or 714/763.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:55
-	91	(714/746.ccls. or 714/773.ccls. or 714/763.ccls.) and ((((((ECC coding unit) and (form\$3 and (block\$1 with ECC encoded data with original information))) and ((magnetoresistive storage cell\$1) with (magnetoresistive solid-state storage device))) and (((array controller\$1) and (obtain\$3 and (parametric value\$1 with storage cell\$1 with stored ECC encoded data))) and controller\$1)) and (form\$3 with erasure information)) and ((ECC decoding unit) and (decod\$3 and (stored ECC encoded data)))) and (form\$3 and erasure information))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/15 10:56